

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A plasma display panel comprising a rear substrate and a front substrate, wherein the rear substrate is spaced a predetermined distance apart from the front substrate and wherein the rear substrate faces the front substrate, and a plurality of discharge cells are formed between the front substrate and the rear substrate, the plasma display panel comprising:

a heating portion disposed at a rear of the rear substrate to heat the rear substrate and the front substrate,

wherein the heating portion comprises a thermistor having a resistance, wherein the resistance varies according to a sensed temperature, and a field effect transistor allowing a current to flow in the heating portion to generate heat according to a level of the resistance of the thermistor.

2. (original): The plasma display panel of claim 1, wherein the heating portion comprises a heat generating body and a controlling portion for controlling the heat generating body to generate heat only at a predetermined temperature or less.

3. (original): The plasma display panel of claim 2, wherein the controlling portion comprises a circuit portion for allowing a current to flow into the heat generating body according to a sensed temperature.

4. (canceled).

5. (original): The plasma display panel of claim 2, wherein the heat generating body comprises a heat generating coil.

6. (previously presented): The plasma display panel of claim 2, wherein the predetermined temperature is approximately 0 ° C.

7. (currently amended): A plasma display panel comprising:

a rear substrate and a front substrate, wherein the rear substrate is spaced a predetermined distance apart from the front substrate and wherein the rear substrate faces the front substrate, and a plurality of discharge cells are formed between the front substrate and the rear substrate;

a plurality of first electrodes formed on an inner surface of the rear substrate;

a first dielectric layer formed on the inner surface of the rear substrate, to cover the plurality of the first electrodes;

a plurality of partitions formed on a surface of the first dielectric layer to define the discharge cells;

a phosphor layer formed on sidewalls of the partitions and on a surface of the first dielectric layer;

a plurality of second electrodes formed on an inner wall of the front substrate, corresponding to the plurality of the first electrodes;

a second dielectric layer formed on the inner wall of the front substrate to cover the plurality of the second electrodes;

a protective layer formed on a surface of the second dielectric layer; and

a heating portion disposed at a rear of the rear substrate to heat the rear substrate and the front substrate,

wherein the heating portion comprises a thermistor having a resistance, wherein the resistance varies according to a sensed temperature, and a field effect transistor, wherein the field effect transistor allows a current to flow in the heating portion to generate heat according to a level of the resistance of the thermistor.

8. (original): The plasma display panel of claim 7, wherein the heating portion comprises a heat generating body and a controlling portion for controlling the heat generating body to heat only at a predetermined temperature or less.

9. (original): The plasma display panel of claim 8, wherein the controlling portion comprises a circuit portion for allowing a current to flow into the heat generating body according to a sensed temperature.

10. (canceled).

11. (original): The plasma display panel of claim 7, wherein the protective layer is formed of MgO.

12. (original): The plasma display panel of claim 8, wherein the heat generating body comprises a heat generating coil.

13. (original): The plasma display panel of claim 8, wherein the predetermined temperature is approximately 0°C.

14 - 15. (canceled).

16. (new): A plasma display panel including a rear substrate and a front substrate, wherein the rear substrate is spaced a predetermined distance apart from the front substrate and

wherein the rear substrate faces the front substrate, and a plurality of discharge cells are formed between the front substrate and the rear substrate, the plasma display panel comprising:

a heating portion disposed at a rear of the rear substrate to heat the rear substrate and the front substrate,

wherein the heating portion comprises a transistor which receives a temperature-dependent signal and regulates a current flowing in the heating portion according the received temperature-dependent signal.

17. (new): The plasma display panel of claim 16, wherein the heating portion further comprises a thermistor which provides the temperature-dependent signal.

18. (new): The plasma display panel of claim 16, wherein the transistor is a field effect transistor.

19. (new): A plasma display panel comprising:

a rear substrate and a front substrate, wherein the rear substrate is spaced a predetermined distance apart from the front substrate and wherein the rear substrate faces the front substrate, and a plurality of discharge cells are formed between the front substrate and the rear substrate;

a plurality of first electrodes formed on an inner surface of the rear substrate;

a first dielectric layer formed on the inner surface of the rear substrate, to cover the plurality of the first electrodes;

a plurality of partitions formed on a surface of the first dielectric layer to define the discharge cells;

a phosphor layer formed on sidewalls of the partitions and on a surface of the first dielectric layer;

a plurality of second electrodes formed on an inner wall of the front substrate, corresponding to the plurality of the first electrodes;

a second dielectric layer formed on the inner wall of the front substrate to cover the plurality of the second electrodes;

a protective layer formed on a surface of the second dielectric layer; and

a heating portion disposed at a rear of the rear substrate to heat the rear substrate and the front substrate,

wherein the heating portion comprises a transistor which receives a temperature-dependent signal and regulates a current flowing in the heating portion according the received temperature-dependent signal.

20. (new): The plasma display panel of claim 19, wherein the heating portion further comprises a thermistor which provides the temperature-dependent signal.

21. (new): The plasma display panel of claim 19, wherein the transistor is a field effect transistor.